

EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT

```

CCCCCCCCC HH HH MM MM I I I I I NN NN NN SSSSSSSS MM MM 000000 DDDDDDDD
CCCCCCCCC HH HH MM MM I I I I I NN NN NN SSSSSSSS MM MM 000000 DDDDDDDD
CC HH HH MMMM MMMM I I NN NN SS MMMM MMMM 00 00 DD DD
CC HH HH MMMM MMMM I I NN NN SS MMMM MMMM 00 00 DD DD
CC HH HH MM MM MM I I NNNN NN SS MM MM MM 00 00 DD DD
CC HH HH MM MM MM I I NNNN NN SS MM MM MM 00 00 DD DD
CC HHHHHHHHHH MM MM I I NN NN SSSSSS MM MM 00 00 DD DD
CC HHHHHHHHHH MM MM I I NN NN SSSSSS MM MM 00 00 DD DD
CC HH HH MM MM I I NN NN SSSSSS SS MM MM 00 00 DD DD
CC HH HH MM MM I I NN NN SSSSSS SS MM MM 00 00 DD DD
CC HH HH MM MM I I NN NN SSSSSS SS MM MM 00 00 DD DD
CC HH HH MM MM I I NN NN SSSSSS SS MM MM 00 00 DD DD
CC HH HH MM MM I I NN NN SSSSSS SS MM MM 00 00 DD DD
CC HH HH MM MM I I NN NN SSSSSS SS MM MM 00 00 DD DD
CCCCCCCCC HH HH MM MM I I I I I NN NN NN SSSSSSSS MM MM 000000 DDDDDDDD
CCCCCCCCC HH HH MM MM I I I I I NN NN NN SSSSSSSS MM MM 000000 DDDDDDDD

LL I I I I I SSSSSSSS
LL I I I I I SSSSSSSS
LL I I SS
LL I I SS
LL I I SS
LL I I SS
LL I I SSSSSS
LL I I SSSSSS
LL I I SS
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LLLLLLLLLLL I I I I I SSSSSSSS
LLLLLLLLLLL I I I I I SSSSSSSS

```

```
0001 0 %TITLE 'EDT$CHMINSMOD - nokeypad insert mode'
0002 0 MODULE EDT$CHMINSMOD ( ! Nokeypad insert mode
0003 0 IDENT = 'V04-000' ! File: CHMINSMOD.BLI Edit: JBS1009
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module implements nokeypad insert mode.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: Unknown
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 04-Feb-1981. This module was created by
0045 1 extracting routine INSERT MODE from module CHANGE.BLI.
0046 1 1-002 - Regularize headers. JBS 03-Mar-1981
0047 1 1-003 - Add return values. JBS 02-Oct-1981
0048 1 1-004 - Don't allow a bare ESC to terminate a multi-line insert. JBS 17-Aug-1982
0049 1 1-005 - Set the message flag so "I" stays on screen. SMB 17-Aug-1982
0050 1 1-006 - New screen update logic. JBS 13-Sep-1982
0051 1 1-007 - Change the call to screen update and add a LOAD entry point, so this module
0052 1 can be displaced by the screen update modules on the PDP-11. JBS 25-Sep-1982
0053 1 1-008 - Change the screen update call again, to reduce the overlay size on the PDP-11. JBS 27-Sep-1982
0054 1 1-009 - Add a parameter to EDT$$COMB_LN. JBS 28-Dec-1982
0055 1 --
0056 1
```



```
: 58      0057 1 %SBTTL 'Declarations'
: 59      0058 1
: 60      0059 1 TABLE OF CONTENTS:
: 61      0060 1
: 62      0061 1
: 63      0062 1 REQUIRE 'EDTSRC:TRAROUNAM';
: 64      0501 1
: 65      0502 1 FORWARD ROUTINE
: 66      0503 1     EDT$$INS_MOD,
: 67      0504 1     EDT$$LOAD_CHMINSMOD : NOVALUE;
: 68      0505 1
: 69      0506 1
: 70      0507 1 INCLUDE FILES:
: 71      0508 1
: 72      0509 1
: 73      0510 1 REQUIRE 'EDTSRC:EDTREQ';
: 74      0645 1
: 75      0646 1
: 76      0647 1 MACROS:
: 77      0648 1
: 78      0649 1     NONE
: 79      0650 1
: 80      0651 1 EQUATED SYMBOLS:
: 81      0652 1
: 82      0653 1     NONE
: 83      0654 1
: 84      0655 1 OWN STORAGE:
: 85      0656 1
: 86      0657 1     NONE
: 87      0658 1
: 88      0659 1 EXTERNAL REFERENCES:
: 89      0660 1
: 90      0661 1     In the routine
```

! Process no-keypad insertion
! Load this module into memory on the PDP-11

```

: 92      0662 1 %SBTTL 'EDT$$INS_MOD - nokeypad insert mode'
: 93      0663 1
: 94      0664 1 GLOBAL ROUTINE EDT$$INS_MOD                ! Nokeypad insert mode
: 95      0665 1 =
: 96      0666 1
: 97      0667 1 !++
: 98      0668 1 FUNCTIONAL DESCRIPTION:
: 99      0669 1
100      0670 1     This routine implements the no-keypad insert mode. Process insertions
101      0671 1     and the delete character until a CTRL/Z is seen, then return.
102      0672 1
103      0673 1 FORMAL PARAMETERS:
104      0674 1
105      0675 1     NONE
106      0676 1
107      0677 1 IMPLICIT INPUTS:
108      0678 1
109      0679 1     EDT$$G_KPAD
110      0680 1     EDT$$G_TI_TYP
111      0681 1     EDT$$T_LN_BUF
112      0682 1     EDT$$A_LN_PTR
113      0683 1
114      0684 1 IMPLICIT OUTPUTS:
115      0685 1
116      0686 1     NONE
117      0687 1
118      0688 1 ROUTINE VALUE:
119      0689 1
120      0690 1     1 = ok, 0 = end of journal file
121      0691 1
122      0692 1 SIDE EFFECTS:
123      0693 1
124      0694 1     NONE
125      0695 1
126      0696 1 --
127      0697 1
128      0698 2 BEGIN
129      0699 2
130      0700 2 EXTERNAL ROUTINE
131      0701 2     EDT$$DEL_CHS : NOVALUE,                ! Delete part of the current line
132      0702 2     EDT$$INS_CHS,                          ! Insert a string of characters which may include carriage returns
133      0703 2     EDT$$COMB_LN : NOVALUE,                ! Combine the current line with the one immediately above it
134      0704 2     EDT$$SC_UPD_NOOVERLAY2 : NOVALUE,      ! Update the screen, possibly displacing this moudle
135      0705 2     EDT$$STOP_WRINGMSG,                    ! Terminate working AST
136      0706 2     EDT$$TI_INPCH;                          ! Get a character of input
137      0707 2
138      0708 2 EXTERNAL
139      0709 2     EDT$$G_MSGFLG,                            ! Text to stay on screen
140      0710 2     EDT$$G_KPAD,                            ! Keypad activated?
141      0711 2     EDT$$G_TI_TYP,                          ! Terminal type.
142      0712 2     EDT$$T_LN_BUF,                          ! Current line buffer
143      0713 2     EDT$$A_LN_PTR;                          ! Current character pointer
144      0714 2
145      0715 2 LOCAL
146      0716 2     C : BYTE;
147      0717 2
148      0718 2 IF ((.EDT$$G_KPAD NEQ 0) OR (.EDT$$G_TI_TYP EQL TERM_HCPY)) THEN RETURN (1);
```

EDT\$CHMINSMOD
V04-000

EDT\$CHMINSMOD - nokeypad insert mode
EDT\$\$INS_MOD - nokeypad insert mode

G 15
16-Sep-1984 00:01:56
14-Sep-1984 12:22:36

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMINSMOD.BLI;1

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(3)

```

149 0719 2
150 0720 2 EDT$$STOP WKINGMSG ();
151 0721 2 EDT$$G_MSGFLG = 1;
152 0722 2
153 0723 2 WHILE 1 DO
154 0724 2 BEGIN
155 0725 2 EDT$$SC_UPD_NOOVERLAY2 ();
156 0726 2
157 0727 2 IF (EDT$$TI_INPCH (C) EQL 0) THEN RETURN (0);
158 0728 2
159 0729 2 IF (.C EQL ASC_K_CTRL_Z) THEN EXITLOOP;
160 0730 2
161 0731 2 IF (.C EQL ASC_K_DEL)
162 0732 2 THEN
163 0733 2
164 0734 2 IF CH$PTR_EQL (.EDT$$A_LN_PTR, CH$PTR (EDT$$ST_LN_BUF))
165 0735 2 THEN
166 0736 2 EDT$$SCOMB_LN (1)
167 0737 2 ELSE
168 0738 2 EDT$$DEL_CHS (CH$PLUS (.EDT$$A_LN_PTR, -1), .EDT$$A_LN_PTR)
169 0739 2
170 0740 2 ELSE
171 0741 2 EDT$$INS_CHS (C, 1);
172 0742 2
173 0743 2 END;
174 0744 2
175 0745 2 EDT$$G_MSGFLG = 0;
176 0746 2 RETURN (1);
177 0747 1 END;
```

! of routine EDT\$\$INS_MOD

.TITLE EDT\$CHMINSMOD EDT\$CHMINSMOD - nokeypad insert m
ode

.IDENT \V04-000\

.EXTRN EDT\$\$DEL_CHS, EDT\$\$INS_CHS
.EXTRN EDT\$\$SCOMB_LN, EDT\$\$SC_UPD_NOOVERLAY2
.EXTRN EDT\$\$STOP_WKINGMSG
.EXTRN EDT\$\$TI_INPCH, EDT\$\$G_MSGFLG
.EXTRN EDT\$\$G_RPAD, EDT\$\$G_TI_TYP
.EXTRN EDT\$\$ST_LN_BUF, EDT\$\$A_LN_PTR

.PSECT _EDT\$CODE, NOWRT, SHR, PIC, 2

.ENTRY EDT\$\$INS_MOD, Save R2, R3
MOVAB EDT\$\$G_MSGFLG, R3
SUBL2 #4, SP
TSTL EDT\$\$G_KPAD
BNEQ \$\$
CMPL EDT\$\$G_TI_TYP, #3
BEQL \$\$
CALLS #0, EDT\$\$STOP_WKINGMSG
MOVL #1, EDT\$\$G_MSGFLG
CALLS #0, EDT\$\$SC_UPD_NOOVERLAY2
PUSHL SP
CALLS #1, EDT\$\$TI_INPCH
TSTL R0

```

000C 00000
53 00000000G 00 9E 00002
5E 00000000G 04 C2 00009
00000000G 00 D5 0000C
6E 12 00012
03 00000000G 00 D1 00014
65 13 0001B
00000000G 00 00 FB 0001D
63 01 D0 00024
00000000G 00 00 FB 00027 1$:
5E DD 0002E
00000000G 00 01 FB 00030
50 D5 00037
```

```

: 0664
:
: 0718
:
: 0720
: 0721
: 0725
: 0727
:
```


EDT\$CHMINSMOD
V04-000

EDT\$CHMINSMOD - nokeypad insert mode
EDT\$\$INS_MOD - nokeypad insert mode

H 15
16-Sep-1984 00:01:56
14-Sep-1984 12:22:36

VAX-11 BLISS-32 V4.0-742
[EDT.SRC]CHMINSMOD.BLI;1

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(3)

		4B	13	00039	BEQL	6\$		
	1A	6E	91	0003B	CMPB	C	#26	0729
		40	13	0003E	BEQL	4\$		
	7F	8F	6E	91	00040	CMPB	C	#127
			2C	12	00044	BNEQ	3\$	0731
	52	00000000G	00	D0	00046	MOVL	EDT\$\$A_LN_PTR, R2	0734
	50	00000000G	00	9E	0004D	MOVAB	EDT\$\$T_LN_BUF, R0	
			52	D1	00054	CMPL	R2, R0	
			0B	12	00057	BNEQ	2\$	
			01	DD	00059	PUSHL	#1	0736
	00000000G	00	01	FB	0005B	CALLS	#1, EDT\$\$COMB_LN	
			C3	11	00062	BRB	1\$	
			52	DD	00064	PUSHL	R2	0738
		FF	A2	9F	00066	PUSHAB	-1(R2)	
	00000000G	00	02	FB	00069	CALLS	#2, EDT\$\$DEL_CHS	
			B5	11	00070	BRB	1\$	0734
			01	DD	00072	PUSHL	#1	0741
		04	AE	9F	00074	PUSHAB	C	
	00000000G	00	02	FB	00077	CALLS	#2, EDT\$\$INS_CHS	
			A7	11	0007E	BRB	1\$	0723
			63	D4	00080	CLRL	EDT\$\$G_MSGFLG	0745
			01	D0	00082	MOVL	#1, R0	0746
				04	00085	RET		
			50	D4	00086	CLRL	R0	0747
				04	00088	RET		

; Routine Size: 137 bytes, Routine Base: _EDT\$CODE + 0000

; 178 0748 1

EDT\$CHMINSMOD
V04-000

EDT\$CHMINSMOD - nokeypad insert mode
EDT\$\$LOAD_CHMINSMOD - load this module into mem

I 15
16-Sep-1984 00:01:56
14-Sep-1984 12:22:36

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMINSMOD.BLI;1

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```
: 180      0749 1 %SBTTL 'EDT$$LOAD_CHMINSMOD - load this module into memory'
: 181      0750 1
: 182      0751 1 GLOBAL ROUTINE EDT$$LOAD_CHMINSMOD          ! Load this module into memory
: 183      0752 1      : NOVALUE =
: 184      0753 1
: 185      0754 1      ++
: 186      0755 1      FUNCTIONAL DESCRIPTION:
: 187      0756 1
: 188      0757 1          This is a do-nothing entry point that loads this module back into memory
: 189      0758 1          in case it was displaced by the screen update modules.
: 190      0759 1
: 191      0760 1      FORMAL PARAMETERS:
: 192      0761 1
: 193      0762 1          NONE
: 194      0763 1
: 195      0764 1      IMPLICIT INPUTS:
: 196      0765 1
: 197      0766 1          NONE
: 198      0767 1
: 199      0768 1      IMPLICIT OUTPUTS:
: 200      0769 1
: 201      0770 1          NONE
: 202      0771 1
: 203      0772 1      ROUTINE VALUE:
: 204      0773 1
: 205      0774 1          NONE
: 206      0775 1
: 207      0776 1      SIDE EFFECTS:
: 208      0777 1
: 209      0778 1          NONE
: 210      0779 1
: 211      0780 1      --
: 212      0781 1
: 213      0782 2      BEGIN
: 214      0783 2      0
: 215      0784 1      END;                                     ! of routine EDT$$LOAD_CHMINSMOD
```

0000 00000
04 00002

.ENTRY EDT\$\$LOAD_CHMINSMOD, Save nothing
RET

: 0751
: 0784

; Routine Size: 3 bytes, Routine Base: _EDT\$CODE + 0089

```
: 216      0785 1
: 217      0786 1 !<BLF/PAGE>
```



```
! of module EDT$CHMINSMOD
```

.....

Library Statistics

.....

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	4	1	40	00:00.2
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

...

```
BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:CHMINSMOD/OBJ=OBJ$:CHMINSMOD MSRC$:CHMINSMOD.BLI/UPDATE=(ENH$:CHMINSMOD)
```

```
: Size:          140 code + 0 data bytes
: Run Time:      00:11.9
: Elapsed Time:  00:14.8
: Lines/CPU Min: 3964
: Lexemes/CPU-Min: 10572
: Memory Used:   75 pages
: Compilation Complete
```


0131 AH-BT13A-SE
VAX/VMS V4.0

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